corrugated asbestos-cement

roofing and siding

4.2" corrugations

also flat asbestos-cement products

general information

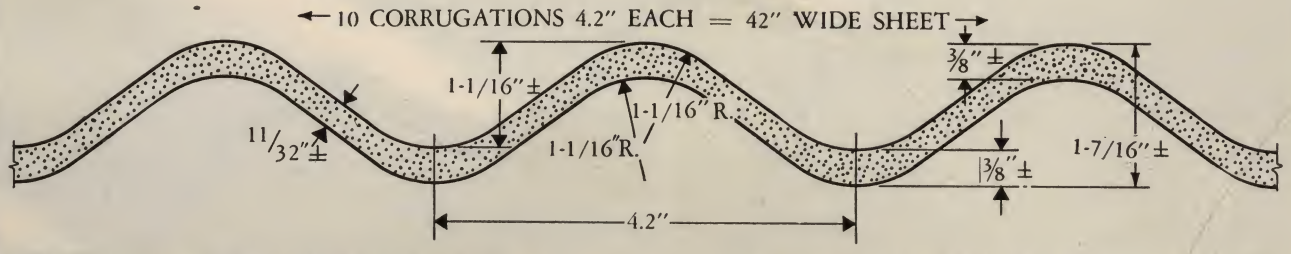
Careystone Corrugated Asbestos-Cement Roofing and Siding is manufactured by a scientific process combining two of the most durable products known to mankind—asbestos and portland cement.

In the special Carey manufacturing process, tough fibers of asbestos are crisscrossed, interwoven, merged together and embedded in a carefully selected grade of portland cement. This rugged mixture is placed on carrier trays, sent through a huge press and permanently combined under enormous pressure. Made solely from these two durable and fireproof minerals, Careystone Corrugated Asbestos-Cement Roofing and Siding is a permanent material, possessing natural properties that enable it to resist the action of the elements and the many and varied destructive influences existing in most industrial plants.

Careystone Corrugated Asbestos-Cement Roofing and Siding is non-combustible and offers a resistance to fire which is unsurpassed in other roofing or siding materials. Containing nothing that can rust, rot or corrode, Careystone has been used extensively for roofing and siding in chemical plants, where acid and alkali fumes are always prevalent. The railroads are large users of this modern building product, as they have found that its use reduces overhead and maintenance to a minimum. Unlike most metals it is unaffected by salt air and its use is thus becoming more popular with industries located on the seaboard. Careystone gives permanent service without maintenance, for it requires no paint or protective coating of any kind. The first cost is the last cost—maintenance costs are eliminated.

The color of Careystone Corrugated Asbestos-Cement Roofing and Siding is a pleasing natural cement gray. Other colors, such as red, green, brown and burnt orange may be manufactured if desired.

Careystone Corrugated Asbestos Roofing and Siding carries the Underwriters' Laboratories, Inc. Label.



MAXIMUM PURLIN SPACINGS (ROOF) 4'-6"
MAXIMUM GIRT SPACINGS (SIDING) 5'-6"

WEIGHT 3 75 LBS. PER SQ. FT. (UNCRATED)
MAXIMUM SHEET LENGTH 12' LONG

CONTOUR OF 4.2" CORRUGATED SHEETS

services

estimating service

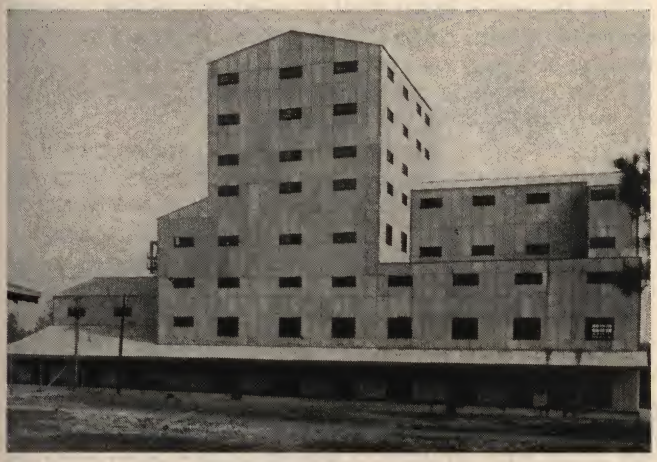
This company will gladly figure the approximate complete cost of the required corrugated asbestos and accessories for any building. We will estimate the required approximate quantities and quote a lump sum on our estimated area take-off. We request that you furnish us with the architectural and steel plans of the proposed building. We will quote a price on the corrugated asbestos and accessories estimated as required for a complete job. The plans should be sent to the nearest District Office of The Philip Carey Mfg. Company. See list on back cover page.

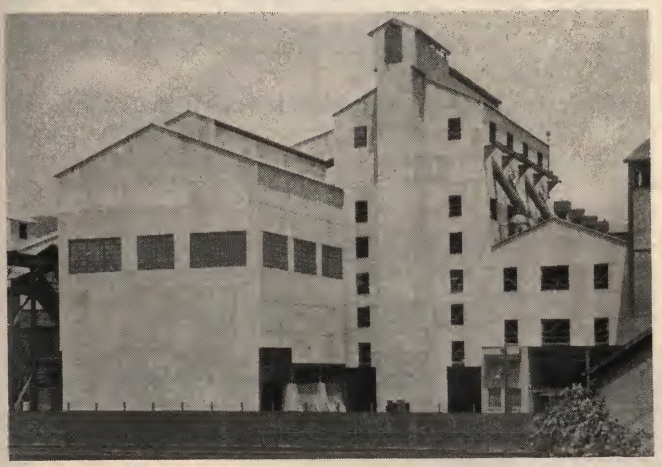
engineering service

An efficient staff of engineers is maintained and their services are at all times at the disposal of our customers. Their wide experience covers the recommendation and application of Careystone Corrugated Asbestos Roofing and Siding on thousands of factories, railroad buildings, airplane hangars, warehouses, power plants, foundries, chemical plants—in fact, every conceivable type of industrial building. This service includes the preparation of detailed estimates, sheet lay-outs, and many helpful suggestions for the use and application of Careystone Corrugated Asbestos-Cement Roofing and Siding.

Address any of the District Offices listed on the back cover or the General Office.

typical applications





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technical data

Careystone Corrugated Asbestos-Cement Roofing and Siding is now available in the 4.2-in. corrugation. The 4.2-in. sheet has 10 corrugations and is 42 in. wide. Approximate thickness is 3/8 in. Standard lengths are 6-in. multiples starting from 2 ft., and up to and including 12 ft.

weights per square foot

Careystone Corrugated Asbestos-Cement sheets weigh approximately 3¾ lbs. per sq. ft. in bulk, and 4½ lbs. per sq. ft. crated. Carload lots are always shipped in bulk. Shipments of 10,000 lbs. or more may be made in bulk. When the freight and crating charge on a shipment weighing less than 10,000 lbs. exceeds the l.c.l. minimum for 10,000 lbs. uncrated, shipment will be made uncrated, at the l.c.l. cost for 10,000 lbs., unless instructed otherwise. All shipments weighing less than 10,000 lbs., which are not covered by the above sentence, are shipped crated.

net sq. wgt. of materials in place

Approximate weight of Corrugated Asbestos Roofing or Siding in place on the building, including accessories is about 485 to 500 lbs. per square.

maximum purlin and girt spans

Careystone Corrugated Asbestos Roofing and Siding sheets are recommended for roofing spans up to 4 ft. 6 in.; siding spans up to 5 ft. 6 in. If roofing or siding spans exceed these figures, we suggest that you communicate with our Engineering Department.

sheets

For roofing or siding, sheets must be figured to have a one corrugation side lap, and an end lap of not less than 6 in.

To figure the number of sheets required, using 4.2-in. materials with a one corrugation side lap, multiply lengths in feet by the unit .3174, rounding out to the next full sheet. If the staggered joint method of application is used, allow one additional sheet per course for cutting. The actual width of coverage of the 4.2-in. sheet after the deduction of the one corrugation side lap is 37.8 in.

Between doors and windows on siding, and between skylights on roofing, figure the spaces from door to door, from window to window, and from skylight to skylight as individual courses. It is not necessary to add the additional sheet if the staggered joint of application is to be used.

roof pitch

Careystone Corrugated Asbestos is recommended for use on roofs having pitches of 3 inches or more per foot. Black putty should be used in all side and end laps of roofing sheets.

curved sheets

Curved Corrugated Asbestos sheets can be made on special orders, either along the length or across the sheets as required. As there are limitations to the manufacturer of curved sheets we suggest you consult our Engineering Department prior to specifying or designing a building using curved corrugated asbestos sheets.

expansion joints

Expansion Joints must be used with Corrugated Asbestos Roofing and Siding directly over the Expansion Joints in the supporting structure. In no case should there be unbroken areas of Corrugated Asbestos longer than 200 feet. Buildings subjected to high interior temperatures, variable moisture and humidity conditions, etc., should have Expansion Joints placed on approximately 150-ft. centers, but in all cases Expansion Joints must also be used over the Expansion Joint in the structure if structural Expansion Joints are present. See Expansion Joint Detail on page 5.

ridge roll, corner rolls and louvres

Carey furnishes the ½ round type Ridge Roll for use with 4.2 Corrugated Asbestos Cement Roofing.

The ½ round Ridge Roll is available in 8-ft. lengths and has a 4-in. radius. Ridge Roll battens 6 in. long nesting securely on the inside of the ridge, are used at the joints. Battens are held in place to the Ridge Roll by two 1½-in. bolts per batten.

Type F3 strips, together with ridge toggles and 6-in. bolts (located on approximate 24-in. centers) form the complete ridge assembly. For application see Detail M on page 5.

Ridge Rolls, Corner Rolls (both inside and outside) and Louvres match the color of Careystone Corrugated Asbestos-Cement as they are made of the same material.

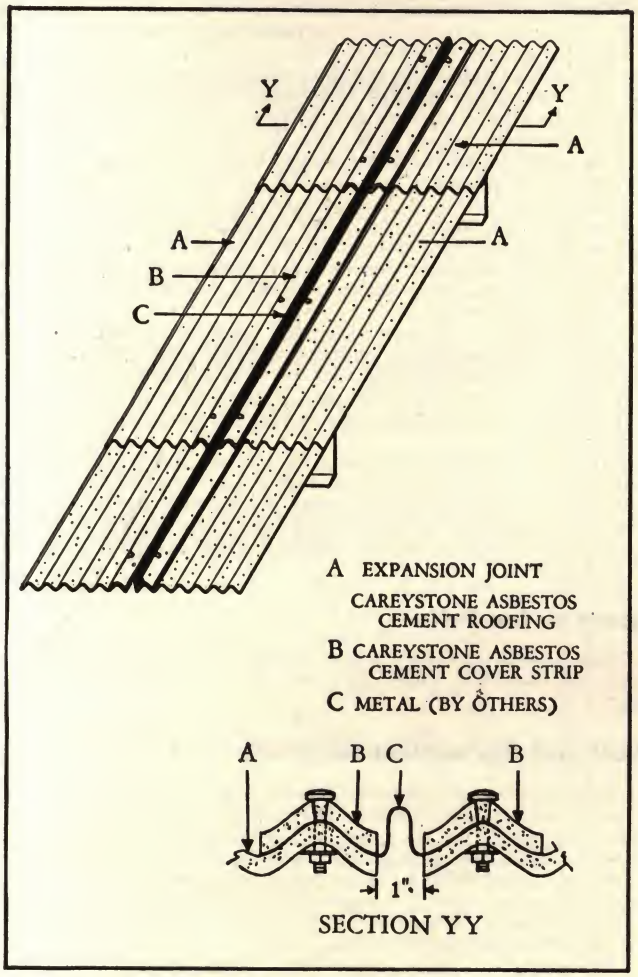
Inside and outside corner roll is furnished in a 90° angle designed with wings about 6¾ in. wide in standard lengths of 8 ft. Both inside and outside corner roll are made with an offset at one end. This offset is equal to the thickness of the corner roll itself and is 4 in. long, so that the corner roll very neatly laps the preceding section of corner rolls. For corner roll dimensions, see Detail O and P on page 5.

Asbestos-Cement Louvre Blades are furnished in any required length up to and including 8 ft. Louvre Blade Battens are furnished 4 in. in width, having same contour as the Louvre Blades, assuring a perfect fit. See details on page 5.

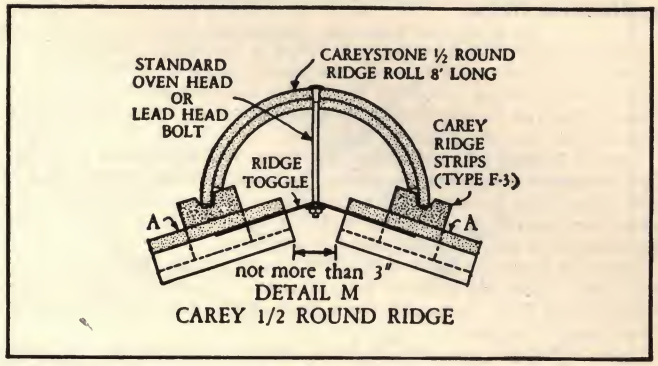
Louvre blades can also be made by cutting 4.2-in. sheets into pieces 2½ corrugations wide as required on the job. In this case bolt locations to be on 7-in. centers in supporting members.

Metal straps (furnished by others) for supporting outside of Louvre Blades are to be located 8 in. from the structural steel for the standard Louvre Blades, and 5 in. from the structural steel for 2½ corrugation Blades cut from 4.2 sheets.

technical data—details

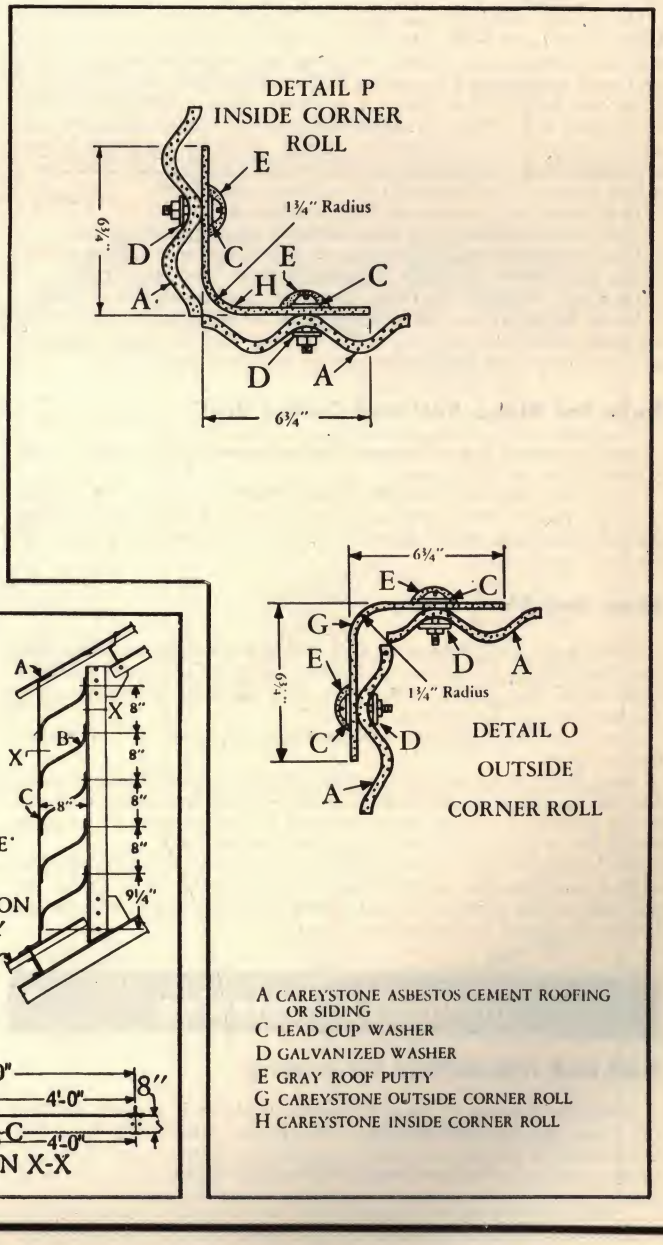


EXPANSION JOINT DETAILS

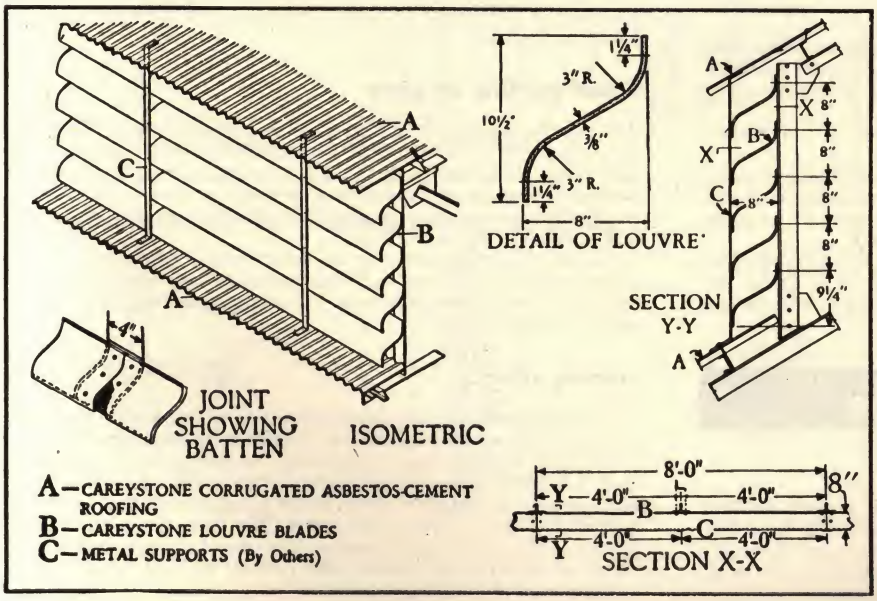


RIDGE ROLL

CORNER ROLL



LOUVRE DETAILS



enclosure strips, fasteners & accessories

enclosure strips

Carey Sealing Strips are manufactured of an asphalt compound.

Type F-1 Strips are 2-in. wide tapering strips for 4.2-in. Corrugated Asbestos for use on top of the corrugated sheet under flashing, etc. These strips are for use with one corrugation sheet side lap application and are furnished 37.8 in. long.

Type F-2 Strips are furnished 2 in. wide and are known as Eave Strips for use with the 4.2-in. corrugated sheet. These strips are for use under 4.2-in. sheets applied with one corrugation side laps. These strips are tapered to equal the thickness resulting in the laps of the sheets and the strips are furnished 37.8 in. long.

Type F-3 Strips are used with 4.2-in. sheets having one corrugation side laps. These are grooved strips for use in conjunction with half round Ridge Roll. These strips are furnished 2-in. in width and are furnished 37.8 in. long.

Type F-4 Strips are used under 4.2 sheets applied by butt joint method (no sidelaps). Strips are not tapered. Furnished 42 in. long and 2 in. wide.

See details on page 7 of all strips described above.

fasteners

Carey can furnish either standard ¼-in. oven-head or lead-head bolts to be used with clips for supporting Corrugated sheets and Asbestos-Cement Accessories. All bolts are electro-galvanized. Clips and steel washers are furnished galvanized. When using oven-head bolts, use special lead concave washers under bolt heads next to corrugated sheet. These washers, designed by Carey, have one concave surface to fit corrugation contour perfectly, assuring waterproofness even without putty. The washers have a cut back on 2 edges to enable the gray putty to obtain a good hold.

Lead head bolts require no lead washers or putty.

Galvanized washers are used between the clip and the nut.

Lead cup washers to be used under bolt heads next to Corner Roll, Ridge Roll, Louvres, or Flat Asbestos-Cement Sheathing Trims.

Details of clips and data as to the use of clips are shown on page 7.

When excessive corrosive action may be expected from acids or alkalies, we suggest that you confer with our Engineering Department so that proper type accessories can be recommended.

bolts for Ridge Roll and Corner Roll

With ½ round Ridge Roll use 6-in. bolts and ridge toggles using 5 assemblies per 8'-0" length.

At battens, use 1½-in. bolts using 2 bolt assemblies per batten.

Corner Roll of either outside or inside type is held to the adjoining corrugated sheets by 3" bolts—using 10 bolt assemblies per 8'-0" length.

gray and black putty

When oven head bolts with lead washers are used to secure roofing, these should be covered with Carey Special Corrugated Asbestos Gray Putty. Use 10 lbs. of putty to each 300 bolts, rounding out to the next unit of ten pounds.

Gray putty used between sash and door jambs, etc. if metal flashing not used.

Black Putty to be used in all side and end laps of Roofing Sheets. Use 10 lbs. of roof putty per 150 lineal feet, rounding out to next unit of ten pounds. To figure per net square of roofing area we estimate that 5 lbs. of black putty per net square are required.

Black Putty for side and end laps of roofing sheets should be applied with a caulking gun, using ⅜-in. nozzle. Putty should be placed on the crest of the corrugation and across the sheet about three inches below the top of the underlying sheet.

methods of fastening

bolt and clip method for roofing

When the flanges of the roof purlins are turned "down", use two "J" clips, two galvanized bolts of the proper length with nuts, two lead concave washers, and two galvanized washers per sheet per purlin—except at the eave and ridge purlin. At the eave and ridge purlin three complete fastener assemblies must be used.

With 4.2-in. Corrugated, the first fastener is located through the crest of the first corrugation at the eave and ridge purlins and the second fastener is placed through the crest of the fourth corrugation and the third fastener through the crest of the seventh corrugation. At all other purlins the first bolt assembly is placed through the crest of the first corrugation and the second through the crest of the fifth corrugation of each sheet.

This method is known as the single "J" clip method and is shown in detail A on page 7.

All bolts are ¼ in. in diameter and are furnished at least 3 in. longer than the depth of the purlin on which they are to be used. When the flanges of the roof purlins are turned up, either the "Z" clip method or the double "J" clip method of fastening can be used. The double "J" clip method is shown in detail B, and the "Z" clip method in detail J on page 7.

If the double "J" clip method is used, use the same number of bolt assemblies as described in the single "J" clip method, but double the number of "J" clips. All assemblies are to be placed as described for the single "J" clip method. For the "Z" clip method of application, it is necessary to use one 2-in. and one 3-in. bolt per "Z" clip. See detail J on page 7.

When the purlins are angles with one leg "down" and one leg pointing "in" the "hook clip" method of fastening should be used. (Shown on Detail D, page 7) Figure the quantity of complete bolt assemblies required as described above for the "J" clip method for roofing. All bolts must be 3 in. longer than the leg of the angle that is pointing "in."

seam or lap bolts

Seam or side lap bolts must be used with all roofing sheets. 1½-in. bolts are used—one seam bolt to be used in the lap between each purlin.

bolt and clip method for siding

When girts are channels with flanges "up," or angles with one leg outside and up, and the other leg pointing "in," use the "Z" clip fastening method as described for roofing. Quantities required are estimated in a like manner. Placing of the bolt assemblies is to be identical. (Detail F and K.) When the girts are channels with flanges pointing "down," use "J" clip method, as described for roofing. Quantities required are estimated in a like manner. (Detail G.) The placing of the bolt assemblies is identical.

When girts are angles with one leg "down" and one leg pointing "in," use the "hook clip" fastening method. (Detail H.) Figure quantity of complete bolt, assemblies required as described for "J" clip method for roofing. All bolts used with hook clips must be 3 in. longer than leg of the angle that is pointing "in." All bolts used with "J" clips must be 3 in. longer than channel depth. The placing of angle girts with one leg facing out, and the other leg facing down or up should be avoided, as special methods of fastening the siding must, in that event, be devised.

wood purlins or girts

When the building to be roofed or sided has wood purlins and girts we recommend that Careystone Corrugated Asbestos Cement Roofing and Siding be applied with 4-in. No. 14 round head galvanized wood screws or cadium drive screws. Use lead concave washers under heads. Utmost care must be taken that drive screws are not driven so tight that fastening is too rigid.

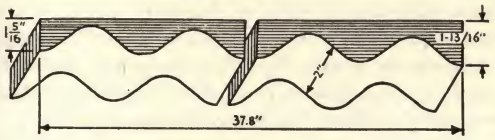
The number of screws can be determined by figuring three per purlin per sheet for eave and ridge members and two per purlin per sheet for intermediate members. Fastening for siding should be figured in same manner.

storing sheets

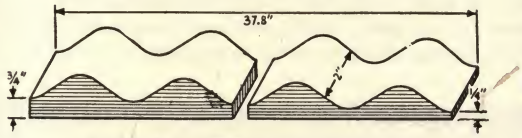
When materials are received on the job, sheets should be stacked on a level place using 2-in. x 4-in. lumber on approximate 18-in. centers at right angles to the corrugations. The stacks should not be more than 4 ft. high. For more economical application each stack should only contain one length of sheet. If that is not practical, always place longest sheets at bottom of the stack. The materials may be stored outdoors, although indoor storing or covering of stacks stored outdoors would keep materials cleaner and prevent materials from freezing together in wet and extreme cold weather.

enclosure strips, fasteners & accessories —details

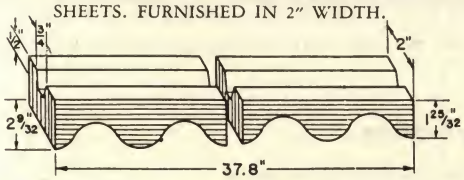
enclosure strip details



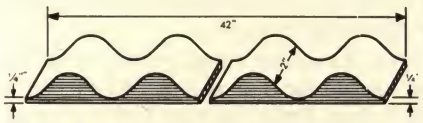
TYPE F-1 STRIP—USED ON TOP OF 4.2 SHEETS. FURNISHED IN 2" WIDTH.



TYPE F-2 STRIP—USED UNDER 4.2 SHEETS. FURNISHED IN 2" WIDTH.

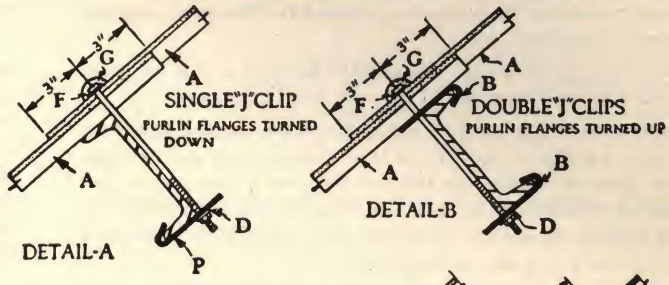


TYPE F-3 STRIP. FOR USE WITH ½ ROUND RIDGE. FURNISHED IN 2" WIDTH.

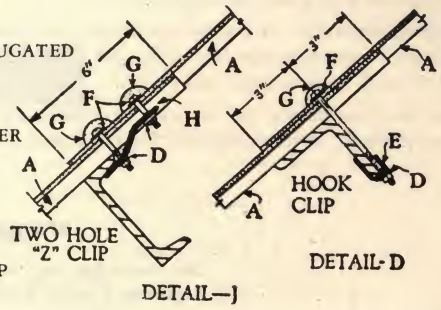


TYPE F-4 STRIP—FOR USE UNDER 4.2 SHEETS. APPLIED WITH BUTT JOINTS. FURNISHED IN 2" WIDTH.

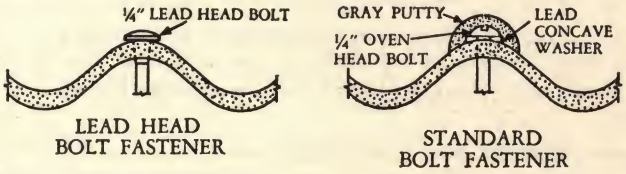
detail of bolt and clip fastening method for roofing



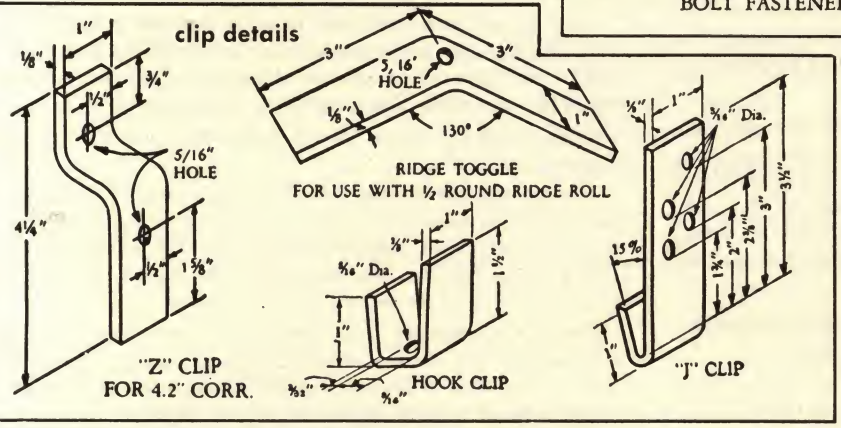
A—CAREYSTONE CORRUGATED ASBESTOS ROOFING
B—"J" CLIP
D—GALVANIZED WASHER
E—HOOK CLIP
F—LEAD CONCAVE WASHER
G—GRAY ROOF PUTTY
H—TWO HOLE "Z" CLIP



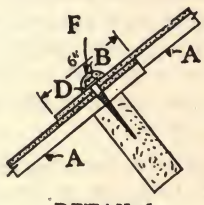
fastener details



clip details

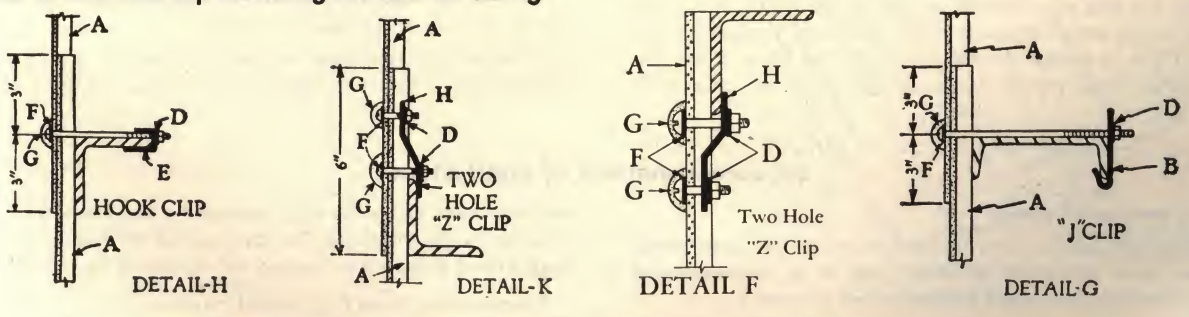


wood purlin at girt details



A—CAREYSTONE CORRUGATED ASBESTOS CEMENT-ROOFING OR SIDING
B—WOOD SCREWS
D—LEAD CONCAVE WASHER
F—GRAY ROOF PUTTY

detail of bolt and clip fastening method for siding



A—CAREYSTONE CORRUGATED ASBESTOS SIDING B—"J" CLIP D—GALVANIZED WASHER E—HOOK CLIP
F—LEAD CONCAVE WASHER G—GRAY ROOF PUTTY H—TWO HOLE "Z" CLIP

recommended methods of application

Sheets should be applied with one corrugation side laps and end laps should not be less than 6 in. At the gables sheets should not overhang the ends of the purlins more than 9 in. The eave overhang should not be more than 9 in.

Sheets in the top course should extend to the ridge so that the opening at the ridge will not exceed 3 in.—see detail M, page 5.

All sheets should be of the proper length, as all end laps must occur over a purlin or girt. All bolts or screws must pass through both the upper and underlying sheets in the crest of the corrugations, but must not be drawn up too tight. Care must be exercised to see that the bolt or screw heads are not drawn up too tight against the lead washer so that it will become distorted.

All applications must be started true to line; care must be exercised to keep the horizontal lines formed by the sheets, and the vertical lines of the side laps, straight and plumb.

When applying sheets on the roof, the liberal use of planks and "chicken ladders" is recommended. Do not subject sheets to undue impact, and be careful to walk only directly over the purlins or on the laps, where the sheets are automatically reinforced by the double thickness. Never walk in the center of the span.

Holes for the introduction of bolts or screws, either for roofing or siding, must always be drilled (never punched); the drilling to be done in the crest of the corrugation. For drilling holes, excellent results are obtained using an ordinary carbon steel twist drill in a hand or small electric drill. These should be sharpened as if for cast iron or steel work. The drill, however, should be fed faster and rotate more rapidly than in metal work. No lubricant is necessary. Before drilling measure location of holes exactly to insure proper fit of fasteners. We suggest $\frac{9}{32}$-in. to $\frac{5}{16}$-in. holes for ¼-in. bolts.

cutting

For sawing and cutting sheets an ordinary hand saw for cross cutting purposes may be effectively employed. Excellent results can be obtained from a portable power saw using a carborundum type blade.

staggered joint method of application

The staggered joint method of application is recommended especially for roofs, as it insures a more waterproof job than a roof application of the cut-corner method.

Application must be started true to line. When an overhang is desired stretch a guide line making allowance for the overhang, as may be required.

Begin to apply the sheets at the eaves, starting at the left with a full width sheet, overhanging the purlin as required at the rake, with the lower end of the sheet against the line stretched for the overhang.

The upper part of the sheet must extend at least 3 in. beyond the uppermost point of the purlin or angle, whether the legs of these members are turned up or down. Fasten the lower end of the sheet to the eave purlin.

The second sheet is applied in perfect alignment with the first sheet overlapping one corrugation of the first sheet with one corrugation of the second. Fasten the lower end of the sheet to the eave purlin, making sure that the first bolt assembly is through the crest of the first corrugation, the second bolt assembly through the crest of the fourth corrugation and the third bolt assembly through the crest of the seventh corrugation.

Apply the third sheet like the second, overlapping one corrugation, and fasten the lower edge of the sheet as described above.

Each successive sheet in the first course should be applied in a like manner to the end of the course. Be sure to allow for the overhang at the gable on the right end.

To apply the first sheet on the second course take a full width sheet and cut off one corrugation. Place this sheet so that the outside line of it is in perfect alignment with the first sheet of the first course and the lower part of it overlaps the top of the underlying sheet at least 6 in. Fasten the lower end of this sheet and the upper end of the first sheet of the first course.

Continue to apply the second course sheets across the roof with full width sheets, overlapping each successive sheet one corrugation over the preceding sheet. Fasten the lower end of this sheet and the upper end of the sheets of the underlying course, using one complete bolt assembly in the crest of the first corrugation and one complete bolt assembly in the crest of the fifth corrugation.

After the end laps have been properly fastened to the purlins or girts, bolt sheets to the intermediate purlins using one bolt assembly in the crest of the first corrugation of each sheet and one bolt assembly in the crest of the fifth corrugation of each sheet.

Snap a chalk line across the roof as a guide to insure proper alignment of all sheets.

To apply the first sheet of the third course, take a full width sheet and cut off two corrugations. Place this sheet so that the outside edge is applied in perfect alignment with the outside edges of the first sheets on the first and second courses overlapping the upper end of the first sheet of the second course at least 6 in.

Continue to apply the third course sheets using full width sheets overlapping each succeeding sheet one corrugation over the preceding sheet. Bolt as described above for the second course sheets. For subsequent courses continue staggering, applying and fastening in a like manner. (See detail Q and S, page 9.)

¼ x 1½-in. seam bolts should be placed in the side laps at mid points between all purlins on roofing.

At ridge purlin use same number of bolts and location of bolts in corrugations of sheets as used at eave purlin.

cut corner method of application

For 4.2 in. Corrugated Sheets

Cut corners butt together and are overlapped by the uncut corner of the next sheet making a watertight joint at the intersection of sheets. See detail of Cut Corner method shown on page 9.

The first course is applied by commencing at the left with a full width sheet (Type A), overhanging the end of the purlin as required with the lower end of the sheet against the line stretched as a guide to allow for the overhang. The upper end of the first course of sheets must extend at least 3 in. beyond the top line of the upper purlin.

The next sheet (Type B) is applied in perfect alignment with the first sheet overlapping one corrugation of the first sheet. It will be noted from cut corner detail on page 9 that the upper left hand corner of

Type B sheet is clipped off. Apply the third sheet in the same manner as the second sheet and subsequent sheets of the first course in a like manner, all sheets having the upper left hand corner clipped.

The first sheet of the second course and successive courses, including the ridge course, is a Type "B" and is applied with the clipped off portion in the lower right hand corner.

Do not stagger the sheets. Apply them in perfect alignment as shown in detail.

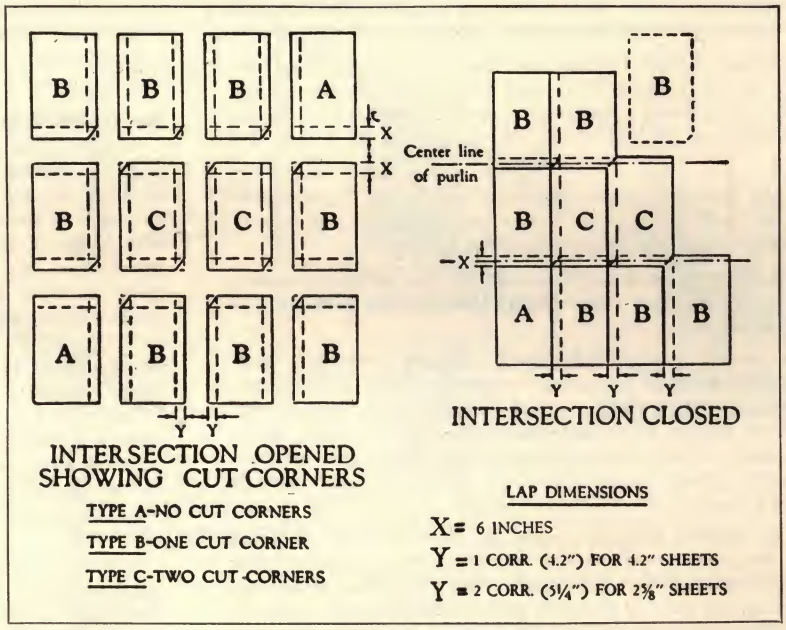
Succeeding sheets of this course, Type "C", are applied in perfect alignment with the first sheet of this course, overlapping each sheet one corrugation over the preceding sheet. The Type "C" sheet is used for the remaining sheets in this course. It will be noted that the Type "C" sheet has both the upper left and the lower right hand corners clipped off. The last sheet in each course (except ridge or top course) should be Type "B" sheets.

The ridge or top course is applied in the same manner as the first course, with the exception that the position of the sheets is exactly reversed, the first and succeeding sheets of the course being Type "B" with the lower right hand corner clipped off and the final finishing sheet a Type "A" sheet.

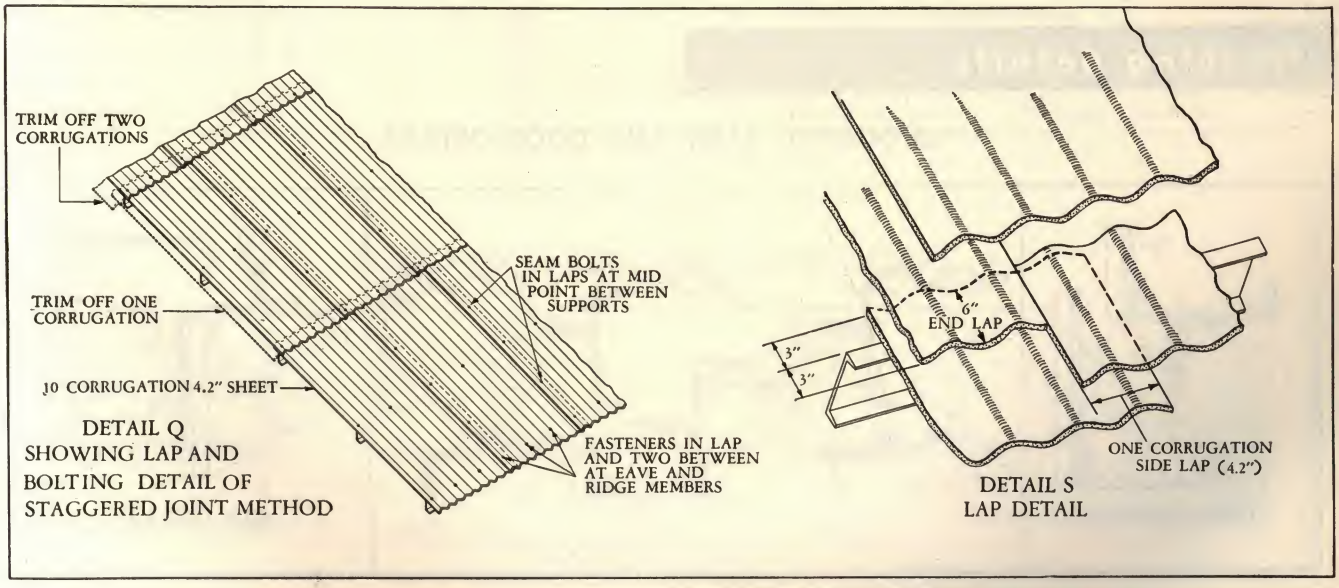
The method of bolting and number of bolts used per sheet is the same for this method of application as described in detail for the staggered joint method of application.

recommended methods of application—details

cut corner method



staggered joint method


TRIM OFF TWO CORRUGATIONS
TRIM OFF ONE CORRUGATION
10 CORRUGATION 4.2" SHEET
SEAM BOLTS IN LAPS AT MID POINT BETWEEN SUPPORTS
FASTENERS IN LAP AND TWO BETWEEN AT EAVE AND RIDGE MEMBERS
DETAIL Q SHOWING LAP AND BOLTING DETAIL OF STAGGERED JOINT METHOD
6" END LAP
3"
3"
ONE CORRUGATION SIDE LAP (4.2")
DETAIL S LAP DETAIL

suggested specifications

for specifying Corrugated Asbestos-Cement Roofing and Siding

All roofing and siding shall be 4.2-in. Careystone Corrugated Asbestos-Cement roofing and siding heavy thickness furnished in sheets 42 in. wide.

Sheets to be an average thickness of approximately 3/8 in., being approximately 7/16 in. at the crest and vales and approximately 5/16 in. at the flanges. Materials to weigh not less than 3.75 lbs. per sq. ft. bulk.

The sheets shall be manufactured solely from Asbestos Fibre and Portland Cement and shall be rigid, true and free from all defects. The top surface of the sheets shall be comparatively smooth.

Ridge roll, corner roll trim and louvres shall be manufactured of the same materials.

All end laps shall occur over a purlin or girt and all sheets shall be fastened in strict accordance with the manufacturer's recommendations.

Roofing and/or siding sheets shall be applied in accordance with manufacturer's specifications.

Accessories for application to be furnished in accordance with manufacturer's specifications.

Before making shipment of roofing and/or siding materials, the manufacturer is to submit detailed layout blueprints of the job for the customer's approval.

flat Asbestos-Cement sheathing

Careystone Flat Asbestos-Cement Sheathing is manufactured of the same durable materials as Careystone Corrugated Asbestos-Cement Roofing and Siding, that is, asbestos fibre and portland cement compressed under great hydraulic pressure. The resulting asbestos board is a flat, hard, dense, fireproof building material.

It is furnished in the following stock sizes: 42 x 48 in., 48 x 48 in., 42 x 96 in., 48 x 96 in., 48 x 120 in. and 48 x 144 in. Other sizes may be furnished from these stock sizes. It is manufactured in the following thicknesses: 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2 and 2 in.

Careystone Asbestos-Cement Sheathing is fireproof, vermin-proof, rust-proof and will not corrode. It is weather-resistant and may be used for either exterior or interior sheathing.

The material is rat-proof and vermin-proof, and makes a pleasing appearance without any other finish, although the material can be painted if desired.

Can be readily cut and drilled with ordinary carpenters' tools and is, in general, used for exterior or interior walls, ceilings, partitions, laboratory table tops, counters, tops for work benches, fire-resistant room linings, hothouse benches, door linings, fume hoods, lockers, radiator shields, smoke ducts, smoke jacks, and innumerable purposes where element-resisting, alkali- and acid-resistant materials are desired.

It may be applied directly to steel or wood studs or on wood sheathing, and may be artistically decorated in any fashion. One of the main advantages of Careystone Asbestos-Cement Sheathing is that it is vermin- and rat-proof. Its smooth surface may be readily cleaned, making this material an excellent one for lining the walls of refrigerators. It is used as a ceiling material wherever fireproofness is desired, particularly over boiler rooms, above electrical wiring, and for rooms containing combustible materials, such as oil and waste storage rooms and rooms in which fire resistant wall construction is desired.

Careystone Flat Sheathing up to and including 1/2" thickness carries the Underwriters' Laboratories Inc. Label.

flat sheathing installation data

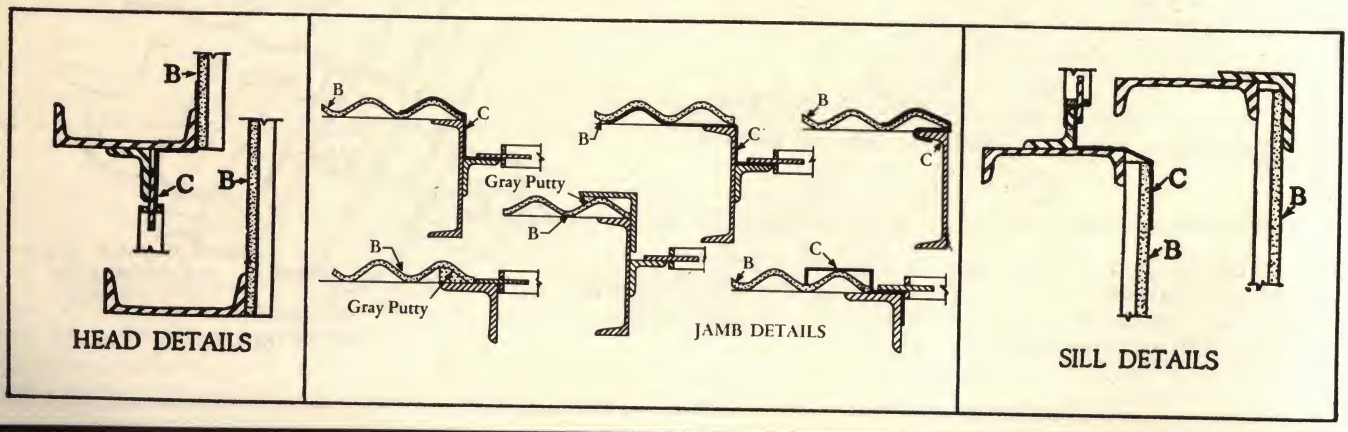
When Careystone Asbestos-Cement Sheathing is to be used as walls or ceilings in new work, we suggest that the studs be placed on 16-in. centers so that stock width sheets may be used without cutting. We recommend that the sheets be fastened to the studs with brass or galvanized wood screws, if the application is over wood studs, and with galvanized bolts, if the application is to be made on steel. For interior work copper or ordinary nails may sometimes be used to advantage. Joints between the sheets may be covered with batten strips cut from sheets in widths from 2 in. up, although the smooth edge of each sheet permits them to be butted together at the studs.

Careystone Asbestos-Cement Sheathing is a building material having beauty and permanence, and is reasonably priced. For full particulars concerning the application of Careystone Asbestos-Cement Sheathing we suggest that you write our Engineering Department and discuss your problem. This service is available without charge.

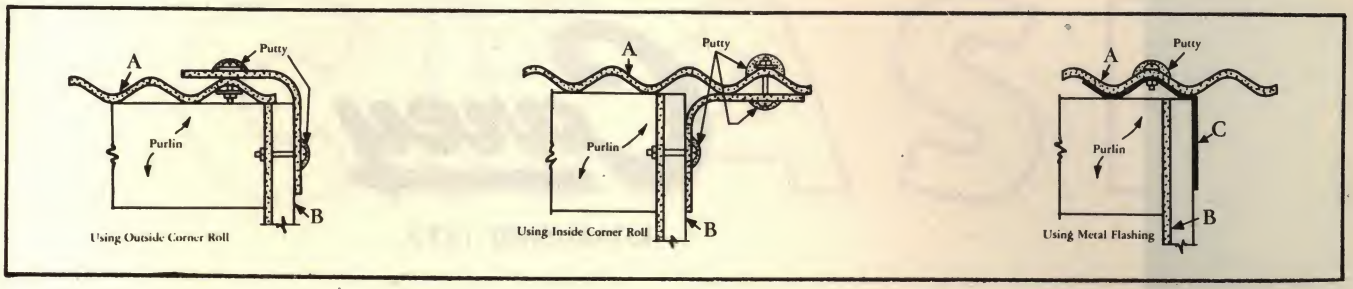
Additional information on products will be gladly forwarded upon contacting the nearest District Office or by writing direct to The Philip Carey Mfg. Company, Industrial Asbestos-Cement Dept., Cincinnati 15, Ohio.

flashing details

SUGGESTED SASH AND DOOR DETAILS



SUGGESTED GABLE DETAILS



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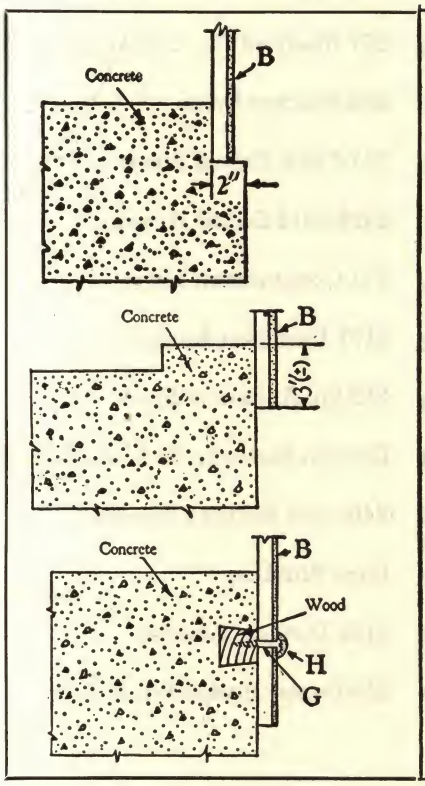

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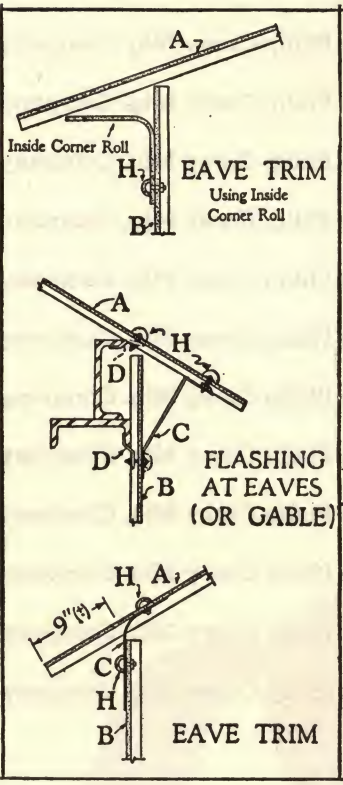
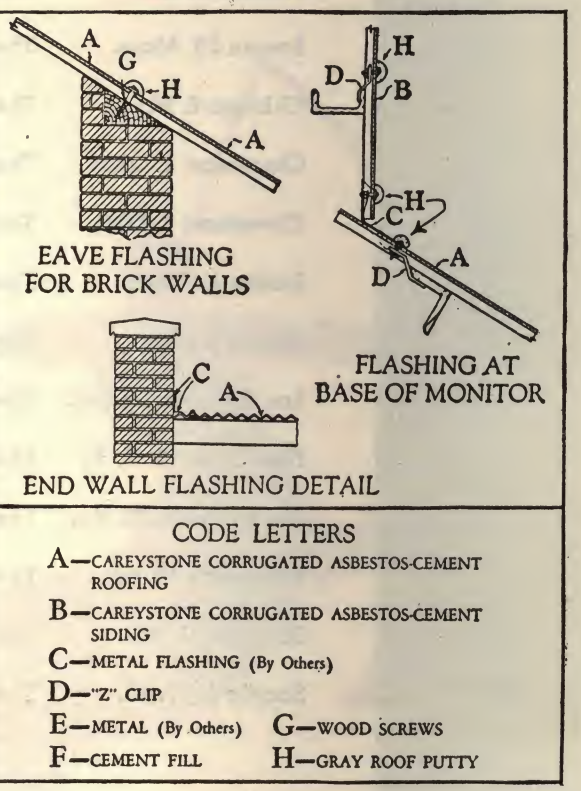


SUGGESTED MISCELLANEOUS DETAILS



CODE LETTERS

A—CAREYSTONE CORRUGATED ASBESTOS-CEMENT ROOFING

B—CAREYSTONE CORRUGATED ASBESTOS-CEMENT SIDING

C—METAL FLASHING (By Others)

D—"Z" CLIP

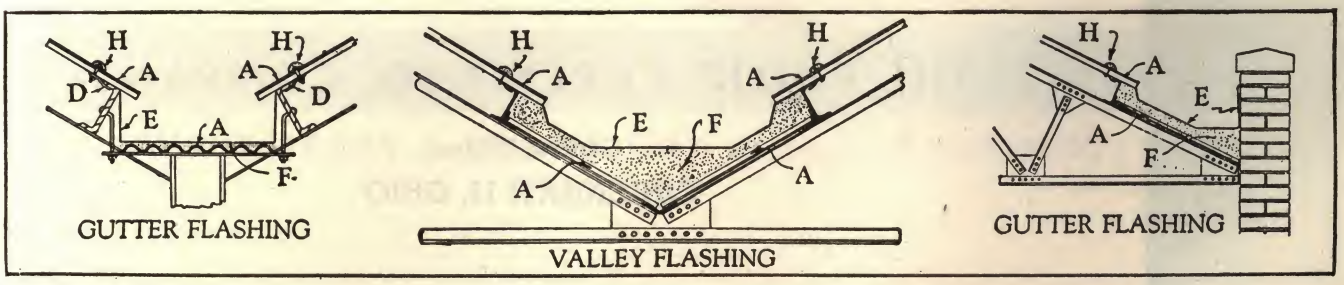
E—METAL (By Others)

F—CEMENT FILL

G—WOOD SCREWS

H—GRAY ROOF PUTTY

SUGGESTED VALLEY AND GUTTER DETAILS



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